In [1]:
```
class Car():
    def __init__(self,color,model,make):
        self.color = color
        self.model = model
        self.make = make
    def accelerate(self):
        print('The car is accelerating')
    def brake(self):
        print('The car is braking')
```

In [2]:
```
my_car = Car('Red','Ferrari','488GTB')
```

In [3]:
```
print(my_car.color)
```

```
Red
```

In [6]:
```
my_car.make
```

Out[6]:
```
'488GTB'
```

In [7]:
```
my_car.accelerate()
```

```
The car is accelerating
```

In [8]:
```
my_car.brake()
```

```
The car is braking
```

In [9]:
```
mylist = [1,2,3]
```

In [10]:
```
mylist
```

Out[10]:
```
[1, 2, 3]
```

In [11]:
```
myset = [1,2,3,4,4,5,5]
```

In [12]:
```
myset = set()
```

In [13]:
```
myset.
```

Out[13]:
```
set()
```

In [14]:
```
class Sample():
    pass
```

In [15]:
```
my_sample = Sample()
```

In [16]:
```
type(my_sample)
```

Out[16]:
```
__main__.Sample
```

In [17]:
```
class Dog():
    def __init__(self,breed):
        self.breed = breed
```

In [19]:
```
my_dog = Dog('Lab')
```

In [20]:
```
type(my_dog)
```

Out[20]:
```
__main__.Dog
```

In [22]:
```
my_dog.breed
```

Out[22]:
```
'Lab'
```

In [23]:
```
class Dog():
    #Attributes
    #we take in the argument
    #assign it to self.attribute
    def __init__(self,mybreed):
        self.breed = mybreed
```

In [24]:
```
my_dog = Dog('Huskie')
```

In [25]:
```
my_dog.breed
```

Out[25]:
```
'Huskie'
```

In [37]:
```
class Dog():
    #Attributes
    #we take in the argument
    #assign it to self.attribute
    def __init__(self,mybreed):
        self.my_attribute = mybreed
```

In [29]:
```
my_dog = Dog('LAB')
```

In [30]:
```
my_dog.my_attribute
```

Out[30]:
```
'LAB'
```

In [38]:
```
class Dog():
    def __init__(self,breed,name,spots):
        self.breed = breed
        self.name = name
        #expecting a boolean
        self.spots = spots
```

In [32]:
```
my_dog = Dog(breed= 'Huskie',name = 'Frankie',spots = False)
```

In [33]:
```
type(my_dog)
```

Out[33]:
```
__main__.Dog
```

In [34]:
```
my_dog.breed
```

Out[34]:
```
'Huskie'
```

In [35]:
```
my_dog.name
```

```
'Frankie'
```

Out[35]:

In [36]:
```
my_dog.spots
```

Out[36]:
```
False
```

In [39]:
```
my_dog = Dog(breed= 'Huskie',name = 'Frankie',spots = 'NO SPOTS')
```

In [40]:
```
my_dog.spots
```

Out[40]:
```
'NO SPOTS'
```

In [ ]: